

EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L2	45	non with linear with channel with estimator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L3	5	volterra and first adj fir and second adj fir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L4	9	optical with fiber and finite with memory with channel	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L5	2	(non adj linear) and (optical adj fiber) and ((channel adj model)) and viterbi and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L6	7	volterra same "A/D" and equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L7	19	(non adj linear) and (optical adj fiber) and ((channel adj model)) and viterbi	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L8	36	optical adj fiber and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L9	46	(optical adj fiber) with (non near linear) and o/e	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L10	1	(volterra and first adj fir and second adj fir).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L11	6	non adj linear and volterra and training and (model with channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L12	1097	optical adj fiber near capacity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L13	1	(optical adj fiber) with (non near linear) with o/e	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L14	0	volterra and "A/D" and equaliz\$5 and "o/e"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L15	14	non adj linear and volterra and (FIR) and (model with channel)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L16	16	non adj linear and volterra and (second near FIR)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L17	4994	optical adj fiber with capacity	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L18	0	optical adj fiber same volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L19	11	non near linear with channel adj estimator	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L20	1	volterra with "A/D" and equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L21	0	o/e with "A/D" same equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L22	0	o/e and equaliz\$5 and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L23	63	(non adj linear) and (optical adj fiber) and ((channel adj model))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L24	0	o/e same equaliz\$5 and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L25	0	o/e with equaliz\$5 and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L26	323	o/e and equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L27	0	(optical adj fiber) and (non near linear) and "o/e" and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L28	0	(optical adj fiber) and (non near linear) and o/e and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L29	0	(optical adj fiber) same (non near linear) and o/e and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L30	0	(optical adj fiber) with (non near linear) and o/e and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L31	1548	(optical adj fiber) with (non near linear) and o/e	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L32	1548	(optical adj fiber) with (non near linear)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L33	0	(non near linear) with (channel adj estimat\$3) with (update or adap\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L34	0	volterra and first adj fir and secod adj fir	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L35	0	((non adj linear) and (optical adj fiber) and ((channel adj model)) and viterbi).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L36	228	(optical adj fiber) and (channel adj model\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L37	81	non adj linear and volterra and (FIR) and model	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L38	0	non adj linear same volterra same (second near FIR)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L39	1	((non adj linear) and (optical adj channel) and ((estimat\$3 adj distortion))).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L40	1	(non adj linear) and (optical adj channel) and ((estimat\$3 adj distortion))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L41	1	((non adj linear) and (optical adj channel) and ((channel adj model)) and viterbi and (branch adj metric)).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L42	3	(non adj linear) and (optical adj channel) and ((channel adj model)) and viterbi and (branch adj metric)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L43	0	(non adj linear) and (optical adj channel) and ((channel adj model)) and viterbi and memory adj width	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L44	2	(non adj linear) and (optical adj channel) and ((channel adj model)) and viterbi and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L45	1	((non adj linear) and (optical adj channel) and ((channel adj model)) and viterbi).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L46	0	((non adj linear) and (optical adj fiber) and ((channel adj model)) and viterbi).clm.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L47	27	o/e with equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L48	58	o/e with "A/D"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L49	0	o/e with "A/D" with equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L50	3	(non adj linear) and (optical adj fiber) and ((adjust\$3 or correct\$3) with (channel adj model))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L51	5	o/e with "A/D" and equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L52	2	"20020064234".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L53	12	(optical adj fiber) and volterra and equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L54	36	(optical adj fiber) and volterra	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L55	7	(non near linear) same (channel adj estimat\$3) same (update or adap\$3)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L56	1	(non adj linear) and (optical adj fiber) and (adjust\$3 with (channel adj model))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L57	50	volterra and "A/D" and equaliz\$5	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L58	4008	375/340	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L59	2011	375/229	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L60	864	375/230	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L61	1080	375/231	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L62	2487	375/232	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L63	30	volterra and (non adj linear) and (channel with estimation)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L64	3	L63 and L58	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L65	6	L63 and L59	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L66	4	L63 and L60	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L67	3	L63 and L61	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L68	8	L63 and L62	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L69	2542	sands.in.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L70	149419	non adj linear	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L71	20	L69 and L70	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L72	1465	375/233	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L73	6	L63 and L72	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36

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L74	1152	375/348	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L75	3	L63 and L74	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:36
L76	2	"20060274861".pn.	US-PGPUB; USPAT; USOCR; FPRS; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2007/03/05 18:42

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- ☐ 6. [IFSA Abstract/Program #11](#) [PDF-776K]
May 2005
To me, IFSA/NAFIPS 2001 brings back memories of the early days mostly in the seventies, when our meetings were small and narrowly focused. It was then that Madan Gupta came up with the idea of launching NAFIPS.
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- ☐ 7. [TRANSITION SHIFT TIMING FOR OPTICAL SIGNAL VLUTTERS, Ruud, PATENT COOPERATION TREATY APPLICATION](#), Jun 2006
...calibration (OPC) for **adjusting** the write strategy...signal by means of an **optical channel model**, the calculated model...which describe the **optical channel** well, e.g. the Braat-T-Topkins...CA signal, and y) **adjusting** the one or more write...
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Fox, P.D. / Bouakaz, A. / Tranquart, F., Jan 2005
...e-Prints Soton Computation of steered **nonlinear** fields using offset KZK axes Fox, P.D...Tranquart, F. (2005) Computation of steered **nonlinear** fields using offset KZK axes. In, Proceedings...harmonic signals generated by tissue **nonlinear** processes to form images at the second...
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- ☐ 9. [Method to identify and characterize nonlinearities in optical communications channels](#)
AGAZZI, Oscar E., EUROPEAN PATENT, Sep 2003
...model with memory for characterizing an **optical channel** having **nonlinearity**. A second **optical channel model** is based on a Volterra series. Volterra...Volterra series are a way to represent **nonlinear** functions. In general Volterra series...
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- ☐ 10. [METHOD AND APPARATUS TO IDENTIFY AND CHARACTERIZE NONLINEARITIES IN OPTICAL COMMUNICATIONS CHANNELS](#)
AGAZZI, Oscar E., PATENT COOPERATION TREATY APPLICATION, May 2002
...model with memory for characterizing an **optical channel** having **nonlinearity**. A second **optical channel model** is based on a Volterra series. Volterra...Volterra series are a way 30 to represent **nonlinear** functions. In general Volterra series...
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- ☐ 11. [Channel estimation and sequence estimation for the reception of optical signal](#)
Langenbach, Stefan / Stojanovic, Nebojsa, Prof. Dr., EUROPEAN PATENT APPLICATION, Jan 2005
...imperfections of the **channel model**. Residual mis-equalization...explicitly linear **channel model** is fundamentally...inappropriate for the **nonlinear optical channel** employed in...Equalization for **Nonlinear** Channels with...explicit filter **channel model**, EP 1 139 619...
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- ☐ **12. Channel estimation and sequence for the reception of optical signal.**
Langenbach, Stefan / Stojanovic, Nebojsa, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Dec 2006
...system. It comprises a transmitter 1, an **optical channel** 4 and a receiver 10. A typical transmitter...The optical signal is transmitted via **optical channel** 4 to receiver 10. [0078] At the receiver...phase step may lead to a loss of the **channel model**. [0096] The channel estimation is based...
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- ☐ **13. Method and system to identify and characterize nonlinearities in optical communications channels**
Agazzi, Oscar E., UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, May 2002
...model with memory for characterizing an **optical channel** having **nonlinearity**. [0046] A second **optical channel model** is based on a Volterra series. Volterra...Volterra series are a way to represent **nonlinear** functions. In general Volterra series...
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- ☐ **14. CHANNEL ESTIMATION AND SEQUENCE ESTIMATION FOR THE RECEPTION OF OPTICAL SIGNAL**
LANGENBACH, Stefan / STOJANOVIC, Nebojsa, PATENT COOPERATION TREATY APPLICATION, Feb 2005
...imperfections of the **channel model**. Residual mix...explicitly linear **channel model** is fundamentally...inappropriate for the **nonlinear optical channel** employed in...Equalization for **Nonlinear** Channels with...explicit filter **channel model**, EP 1 139 619...
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- ☐ **15. Method and apparatus for physical image based inspection system**
Qian, Qi-De / Tejnil, Edita / Dao, Giang, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Sep 2003
...5a. The **optical channel model** of FIG. 5a incorporates...progresses through the **optical channel model** 500 of FIG. 5a. As...which may contain **nonlinear** frequency conversion...with respect to the **optical channel model** 500FIG. 5a, optics...
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- ☐ **16. Connection between X-Waves, Fourier-Bessel series and optimal modelling aperture for circular symmetric arrays**
Fox, P.D. / Lu, J-Y. / Holm, S. / Tranquart, F., Jan 2005
This paper addresses various unresolved issues raised in publications [1], [2], and [3], in connection with the study and application of limited-diffraction and non-diffracting beams. Nondiffracting beams have the property of a constant radial profile ...
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- ☐ **17. Receiver for high rate digital communication system**
Dittrich, Andreas / Sauer-Greff, Wolfgang Emil Michael / Urbansky, Ralph Steffen, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Jan 2007


...decision feedback equalizer having a **nonlinear** structure with table entries of a plurality...equalizer adjustment, usually an appropriate **channel model** has to be extracted out of the received...achieved by extracting an appropriate **channel model** out of the received analogue signal...

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☐ 18. [Flash ADC receiver with reduced errors](#)

Rowland, Andy / Luk, Tom / Hadjihassan, Sevgui, UNITED STATES PATENT AND TRADEMARK OFFICE GRANTED PATENT, Dec 2005


...example, an **optical channel** on an optical...the initial **channel model** the probability...errors by **adjusting** the **channel model** (and thereby...errors by **adjusting** the reference...dependent upon the **channel model**. More particularly...

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☐ 19. [FLASH ADC RECEIVER WITH REDUCED ERRORS](#)

Rowland, Andy / Luk, Tom / Hadjihassan, Sevgui, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Dec 2005

...example, an **optical channel** on an optical...the initial **channel model** the probability...errors by **adjusting** the **channel model** (and thereby...errors by **adjusting** the reference...dependent upon the **channel model**. More particularly...

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☐ 20. [Receiver for high rate digital communication system](#)

Dittrich, Andreas / Michael Sauer-Greff, Wolfgang Emil / Urbansky, Ralph Steffen, UNITED STATES PATENT AND TRADEMARK OFFICE PRE-GRANT PUBLICATION, Feb 2004

...decision feedback equalizer having a **nonlinear** structure with table entries of a plurality...equalizer adjustment, usually an appropriate **channel model** has to be extracted out of the received...achieved by extracting an appropriate **channel model** out of the received analogue signal...

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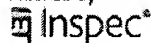
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- ☐ 1. **Cross-polarization modulation: theory and experiment multiple-wavelength**
Woodward, S.L.; Phillips, M.R.; Smith, R.L.;
Optical Fiber Communication Conference, 2006 and the 2006 National Fiber C
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5-10 March 2006 Page(s):3 pp.
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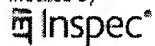
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 Peddanarappagari, K.V.; Brandt-Pearce, M.;
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- ☐ 2. **Reduction of the chromatic dispersion penalty at 10 Gbit/s by integrated equalisers**
 Buchali, F.; Bulow, H.; Baumert, W.; Ballentin, R.; Wehreu, T.;
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- ☐ 3. **A decision feedback equalizer for dispersion compensation in high speed transmission systems**
 Otte, S.; Rosenkranz, W.;
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- ☐ 4. **On the use of tapered linearly chirped gratings as dispersion-induced dispersion equalizers in SCM systems**
 Marti, J.; Pastor, D.; Tortola, M.; Capmany, J.; Montero, A.;
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- ☐ 5. **PMD mitigation at 10 Gbit/s using linear and nonlinear integrated electronic circuits**
 Bulow, H.; Buchali, F.; Baumert, W.; Ballentin, R.; Wehren, T.;

Electronics Letters

Volume 36, Issue 2, 20 Jan. 2000 Page(s):163 - 164

Digital Object Identifier 10.1049/el:20000175

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Volume 145, Issue 2, April 1998 Page(s):117 - 123

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Zhou, Y.R.; Watkins, L.R.;

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Cartledge, J.C.; McKay, R.G.; Nowell, M.C.;

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Sardesai, H.P.; Chang, C.-C.; Weiner, A.M.;

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Winters, J.H.; Gitlin, R.D.;

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Walker, E.L.;
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- ☐ 2. **The feasibility study of transporting IS-95 CDMA signals over HFC network**
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[Photonics Technology Letters, IEEE](#)
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- ☐ 3. **Macrodiversity reception performance investigation in microcellular network**
Rivas, I.; Ibbetson, L.J.; Lopes, L.B.;
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Hirota, O.; Toda, J.;
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- ☐ 5. **Performance of code-division-multiple-access communications over multimode fiber channels**
Walker, E.L.;
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6. **Analytical calculation of throughput of ALOHA based protocols in optical networks**

Samaras, K.; O'Brien, D.C.; Edwards, D.J.;
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Volume 147, Issue 4, Aug. 2000 Page(s):322 - 328
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7. **Seamless Interconnection for Universal Services. Global Telecommunications Conference. GLOBECOM'99. (Cat. No.99CH37042)**

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Volume 1A, 1999
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8. **Hardware design and performance analysis of VDSL transceivers**

Worner, A.; Schenk, M.; Schmucking, D.;
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Schmucking, D.; Worner, A.;
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10. **Wireless access in HFC systems**

Way, W.I.;
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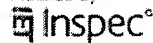
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Inventor Information for 09/989367

Inventor Name	City	State/Country
AGAZZI, OSCAR E.	IRVINE	CALIFORNIA

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Correspondence Address for 09/989367

Customer Number	Contact Information	Address
26111 Delivery Mode: Paper	Telephone: (202)371-2600 Fax: (202)371-2540 E-Mail: fadkt@skgf.com	STERNE, KESSLER, GOLDSTEIN & FOX P.L.L.C. 1100 NEW YORK AVENUE, N.W. WASHINGTON DC 20005

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